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(54) CAPSULED FLAME RETARDANT COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a water-insol. granular flame retardant which exhibits an excellent flame retardant at a low loading without detriment to base material by capsuling a water-sol. component contg. a flame retardant with a coating agent.

SOLUTION: A water-insol. granular flame retardant is obtd. by capsuling a water-sol. component contg. a flame retardant with a coating agent. Examples of the flame retardant are an inorg. acid, an ammonium salt, a guanidine salt, and a metal salt; pref. examples are sulfamic acid, sulfuric acid, boric acid, ammonium sulfamate, ammonium sulfate, and ammonium phosphate. The coating agent is pref. based on a polyamide resin, a methacrylic resin, a styrene- methacrylic resin, a styrene resin, or an acrylic resin. Thus, a water-insol. granular flame retardant is obtd. by coating a composition imparting retardancy with a coating agent by a chemical or physicochemical method.

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